

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2599	(15/207.2,143.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 13:04
S2	19	S1 and crystalline	US-PGPUB; USPAT	OR	OFF	2006/11/15 13:07
S3	23	S1 and (calcium adj2 carbonate)	US-PGPUB; USPAT	OR	OFF	2006/11/15 13:07
S4	25	S1 and (calcium adj2 carbonate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 13:08
S5	28	S1 and crystalline	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 13:08
S6	9	S5 not S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 13:07
S7	6	scallop same shell same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (calcium adj2 carbonate)	US-PGPUB; USPAT	OR	ON	2006/11/15 13:16
S8	21	scallop same shell same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (calcium adj2 carbonate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:28

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S9	2	scallop same shell same (calcium adj2 carbonate) same (antifungal or antibacter\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:28
S10	7	"5409714"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:28
S11	1265	shell same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (calcium adj2 carbonate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:28
S12	4	shell same (calcium adj2 carbonate) same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (antifungal or antibacter\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:30
S13	2	(scallop or oyster) same shell same (calcium adj2 carbonate) same (pulverize\$3 or crush\$3 or grind\$3 or ground\$4) same (antifungal or antibacter\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:51
S14	2	"200072610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:37
S15	279	toothbrush same (antifungal or antibacter\$4 or antimicrobial)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:56

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S16	97	toothbrush same (antifungal or antibacter\$4 or antimicrobial) same bristles	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:57
S17	3	"9935911"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 14:16
S18	4	"6138315"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 14:16

# PATENT ABSTRACTS OF JAPAN

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(21)Application number : 10-038146

(71)Applicant : SINTO BRATOR CO LTD  
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(22)Date of filing : 03.02.1998

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OCHIAI TETSUO

(54) ABRASIVE-FIXED BRUSH FOR TOOTHBRUSH

(57)Abstract:

PROBLEM TO BE SOLVED: To provide brush for a toothbrush having high polishing effect and resolving problems occurring when conventional toothbrushes stuck with a dentifrice are used.

SOLUTION: An abrasive is fixed to resin brush materials 2 having the diameter of 0.02-0.4 mm. The abrasive has the average diameter of 0.001-0.05 mm, and 10-40 pts.wt. of it is preferably contained in a resin substrate of 100 pts.wt. The brush materials 2 thus manufactured are planted on a shank 1 like existing toothbrushes.



## LEGAL STATUS

[Date of request for examination]

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the examiner's decision of rejection or  
application converted registration]

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decision of rejection]

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